



DEPARTMENT OF CONSERVATION

DIRECTOR'S OFFICE

801 K STREET • MS 24-01 • SACRAMENTO, CALIFORNIA 95814

PHONE 916 / 322-1080 • FAX 916 / 445-0732 • TDD 916 / 324-2555 • WEB SITE conservation.ca.gov

May 11, 2006

NOTICE

To: All Interested Parties

Subject: Biannual Report of Beverage Container Sales, Returns, Redemption, and Recycling Rates

Public Resources Code Section 14551 requires the Department of Conservation (Department) to report biannually on the redemption and recycling rates for each six-month period within 130 days of the end of that period. Enclosed, please find the Biannual Report of Redemption and Recycling Rates for the second six month period July – December 2005 and the twelve month period January – December of the 2005 calendar year.

The beverage container recycling rate for All Materials for the period July through December 2005 is 57 percent. Material specific recycling rates are as follows: aluminum 70 percent, glass 54 percent, #1 PET 43 percent, #2 HDPE 49 percent, #3 PVC 14 percent, #4 LDPE 0 percent, #5 PP 0 percent, #6 PS 1 percent, #7 Other 5 percent, and bimetal 7 percent.

The beverage container recycling rate for All Materials for the 2005 calendar year is 61 percent. Material specific recycling rates are as follows: aluminum 73 percent, glass 58 percent, #1 PET 46 percent, #2 HDPE 51 percent, #3 PVC 6 percent, #4 LDPE 0 percent, #5 PP 1 percent, #6 PS 1 percent, #7 Other 6 percent, and bimetal 7 percent.

The 2005 calendar year recycling rates clearly show the effect of increased CRV rates beginning on January 1, 2004, with aluminum increasing from 70 to 73 percent, glass from 51 to 58 percent, #1 PET from 35 to 46 percent, #2 HDPE from 34 to 51 percent, and for All Materials from 55 to 61 percent.

During 2005, Californians recycled over 12.4 billion beverage containers, making California number one in the nation in total quantity of bottles and cans recycled.

If you have any questions about this report, please contact Ms. Dana Stone, Acting Assistant Director for the Division of Recycling, at (916) 323-3836.

Bridgett Luther
Director

Enclosures

Biannual Report of Beverage Container Sales, Returns, Redemption & Recycling Rates

Table 1
May 11, 2006



RATES			CONTAINERS			
ALUMINUM	Redemption	Recycling	Sales*	Recycled	Refillable	Postfilled
JULY - DEC 2005	70	70	5,235,407,672	3,661,950,484	0	9,350,505
JAN - JUNE 2005	77	77	4,413,672,288	3,411,990,258	0	7,514,077
JULY - DEC 2004	72	72	5,226,291,924	3,752,335,959	0	649,278
JAN - JUNE 2004	80	80	4,537,901,585	3,609,379,317	0	2,663,663
GLASS						
JULY - DEC 2005	61	54	1,896,469,833	1,032,892,554	2,130	170,193,210
JAN - JUNE 2005	71	62	1,570,063,245	980,870,171	0	183,468,415
JULY - DEC 2004	60	53	1,883,201,039	1,006,459,575	68,451	172,781,792
JAN - JUNE 2004	67	59	1,596,067,315	949,538,523	60,416	169,308,088
#1 PET						
JULY - DEC 2005	43	43	3,907,877,724	1,682,184,895	0	66,559,300
JAN - JUNE 2005	49	49	2,951,017,756	1,442,406,857	0	64,038,059
JULY - DEC 2004	37	37	3,644,613,520	1,352,006,864	0	62,141,744
JAN - JUNE 2004	42	42	2,770,545,520	1,160,385,892	0	58,979,531
#2 HDPE						
JULY - DEC 2005	141	49	205,956,870	100,960,026	0	194,600,776
JAN - JUNE 2005	159	53	184,653,264	98,486,320	0	199,113,532
JULY - DEC 2004	135	48	215,990,616	104,716,645	0	192,743,053
JAN - JUNE 2004	127	45	209,903,820	94,035,775	0	177,599,657
#3 PVC						
JULY - DEC 2005	14	14	249,462	35,519	0	1,206
JAN - JUNE 2005	0	0	320,799	1,078	0	487
JULY - DEC 2004	2	2	425,884	9,790	0	196
JAN - JUNE 2004	8	7	496,804	35,696	0	3,523
#4 LDPE						
JULY - DEC 2005	0	0	4,074,759	2,687	0	745
JAN - JUNE 2005	0	0	2,825,735	5,453	0	520
JULY - DEC 2004	0	0	2,416,849	1,565	0	-32
JAN - JUNE 2004	0	0	3,445,567	1,386	0	504
#5 PP						
JULY - DEC 2005	0	0	3,053,088	12,256	0	7
JAN - JUNE 2005	53	49	21,762	10,721	0	936
JULY - DEC 2004	1	1	980,640	13,878	0	0
JAN - JUNE 2004	0	0	2,158,557	8,010	0	0

(Continued on next page)

Biannual Report of Beverage Container Sales, Returns, Redemption & Recycling Rates

Table 1
May 11, 2006



RATES			CONTAINERS			
#6 PS	Redemption	Recycling	Sales*	Recycled	Refillable	Postfilled
JULY - DEC 2005	1	1	14,568,656	133,039	0	9,472
JAN - JUNE 2005	0	0	18,072,796	72,278	0	10,072
JULY - DEC 2004	0	0	20,742,541	38,411	0	19,314
JAN - JUNE 2004	0	0	31,925,111	43,744	0	2,925
#7 OTHER						
JULY - DEC 2005	5	5	17,670,749	837,017	0	38,585
JAN - JUNE 2005	8	8	12,116,761	964,056	0	38,339
JULY - DEC 2004	11	11	13,068,942	1,399,479	0	90,130
JAN - JUNE 2004	9	9	12,300,770	1,142,399	0	36,096
BIMETAL						
JULY - DEC 2005	7	7	25,169,391	1,706,165	0	214,359
JAN - JUNE 2005	9	8	22,009,149	1,802,386	0	218,569
JULY - DEC 2004	5	5	33,018,894	1,684,091	0	385,028
JAN - JUNE 2004	6	4	32,000,388	1,336,095	0	672,246
ALL MATERIALS						
JULY - DEC 2005	58	57	11,310,498,204	6,480,714,641	2,130	440,968,166
JAN - JUNE 2005	66	65	9,174,773,555	5,936,609,579	0	454,403,005
JULY - DEC 2004	57	56	11,040,750,849	6,218,666,256	68,451	428,810,502
JAN - JUNE 2004	65	63	9,196,745,437	5,815,906,837	60,416	409,266,233

CALCULATION OF REDEMPTION AND RECYCLING RATES

A = number of empty beverage containers returned

Redemption Rate = $\frac{A + B + [C - (0.05 \times (A + B))]}{D}$

B = refillables returned

C = postfilled food or drink packaging containers returned

Recycling Rate = $\frac{(A+B)}{D}$ (The value in brackets [] is included only when greater than zero.)

D = number of beverage containers sold

CONTAINER PER POUND RATES (GRV/POSTFILLED)	ALUMINUM	GLASS	#1 PET	#2 HDPE	#3 PVC	#4 LDPE
JUL - DEC 2005	29.5/35.13	1.87/0.94	12.8/5.62	5.1/4.89	9.8/NA	39.4/NA
CONTAINER PER POUND RATES (GRV/POSTFILLED)	#5 PP	#6 PS	#7 OTHER	BIMETAL		
JUL - DEC 2005	8.2/NA	69.8/NA	7.1/NA	8.2/NA		

FOOTNOTE: * Because of the delay between the time a container is distributed for sale and the time it is returned for recycling, the Department has determined the average "Return Time" as two months. The sales shown reflect this two month lag period.

* Beginning 2003, all recycling and redemption rates are presented as whole numbers.

CALENDAR YEAR - REDEMPTION AND RECYCLING RATES

Table 2
May 11, 2006



Rates			Containers				1 of 4
ALUMINUM	Redemption	Recycling	Sales	Recycled	Refillable	Postfilled	
2005	73	73	9,649,079,960	7,073,940,741	0	16,864,583	
2004	76	75	9,764,193,509	7,361,715,276	0	3,312,941	
2003	67	70	9,595,275,797	6,682,353,680	0	56,635,725	
2002	74	74	9,420,894,816	6,971,154,448	0	85,989,348	
2001	75	75	9,426,681,445	7,036,772,391	0	75,404,003	
2000	76**	76**	9,521,709,518	7,086,969,721	0	73,859,460	
1999	80	80	9,189,990,393	7,348,438,576	0	155,372,430	
1998	80	80	9,273,717,898	7,381,508,007	0	178,559,988	
1997	80	80	9,192,062,677	7,391,944,684	0	206,552,057	
1996	80	80	9,046,339,201	7,257,109,422	0	157,451,082	
1995	84	84	8,996,915,732	7,565,437,626	0	293,381,456	
1994	82	82	9,640,060,625	7,859,363,654	0	150,118,131	
1993	84	84	9,473,124,532	7,926,540,025	0	214,496,528	
1992	85	85	9,849,092,574	8,378,479,015	0	204,306,718	
1991	85	85	9,735,460,863	8,235,715,915	0	170,214,314	
1990	76	76	9,859,752,871	7,478,135,392	0	153,794,134	
1989	64	64	9,231,958,871	5,940,283,700	0	49,407,050	
1988	62	61	8,829,125,615	5,416,522,775	0	358,327,175	
GLASS							
2005	65	58	3,466,533,078	2,013,762,725	2,130	353,661,624	
2004	63	56	3,479,268,354	1,955,998,098	128,867	342,089,880	
2003	58	51	3,389,513,062	1,723,047,987	364,085	314,717,017	
2002	59	52	3,426,758,463	1,788,856,334	380,457	314,008,206	
2001	62	54	3,469,509,699	1,868,554,693	378,452	362,368,007	
2000	60**	54**	3,342,291,557	1,828,493,003	4,193,806	315,211,767	
1999	71	60	2,699,056,360	1,563,428,698	56,547,053	381,756,617	
1998	75	63	2,547,082,395	1,533,478,471	78,152,008	379,486,791	
1997	79	67	2,488,007,100	1,575,406,811	90,836,718	383,973,447	
1996	82	69	2,432,063,268	1,574,020,543	102,421,509	400,541,247	
1995	86	74	2,477,905,727	1,731,621,270	111,828,496	376,815,597	
1994	84	73	2,554,889,789	1,735,423,078	125,310,440	384,421,672	
1993	86	75	2,524,975,195	1,753,023,220	147,140,942	369,469,526	
1992	95	72	2,638,669,944	1,718,900,206	168,996,240	718,914,546	
1991	85	71	2,837,961,367	1,802,801,890	198,954,148	508,723,118	
1990	60	57	3,252,914,365	1,644,555,614	215,792,631	183,272,912	
1989	45	40	3,136,247,664	945,069,624	304,045,641	216,179,258	
1988	44	35	3,165,716,125	664,948,766	441,803,396	324,349,294	
#1 PET							
2005	46	46	6,858,895,480	3,124,591,752	0	130,597,359	
2004	39	39	6,415,159,040	2,512,392,756	0	121,121,275	
2003	36	35	5,553,858,516	1,947,144,218	0	125,886,380	
2002	36	36	4,732,756,528	1,687,585,835	0	106,089,707	
2001	37	36	4,032,761,142	1,435,601,027	0	112,531,165	
2000	34**	34**	3,239,139,000	1,181,701,068	0	73,332,339	

(Continued on next page)
DOR 8 5/06

Rates		Containers				2 of 4
	Redemption	Recycling	Sales	Recycled	Refillable	Postfilled
#1 PET (Continued)						
1999	79	65	1,278,411,247	829,974,260	0	223,909,692
1998	69	57	1,284,678,834	731,421,805	0	193,778,325
1997	69	58	1,206,774,464	698,322,157	0	168,565,032
1996	69	59	1,028,068,545	607,521,858	0	127,904,829
1995	74	64	760,783,391	488,882,966	0	99,011,197
1994	80	71	605,667,834	429,468,272	0	77,573,604
1993	76	70	577,329,580	403,344,084	0	58,323,616
1992	75	68	549,907,144	371,540,845	0	58,814,794
1991	58	56	530,597,819	299,758,173	0	20,829,383
1990	31	31	558,856,452	171,828,692	0	8,298,647
1989	7	7	556,680,692	37,863,612	0	1,221,987
1988	5	4	560,093,605	24,327,749	0	2,971,618
#2 HDPE						
2005	149	51	390,610,134	199,446,347	0	393,714,308
2004	131	47	425,894,436	198,752,419	0	370,342,710
2003	97	34	525,379,842	176,430,068	0	342,980,733
2002	118	42	427,072,126	181,466,591	0	331,509,039
2001	110	39	457,575,262	177,141,048	0	336,565,235
2000	98**	22**	385,191,241	93,243,804	0	345,788,475
#3 PVC						
2005	6	6	570,261	36,597	0	1,693
2004	5	5	922,688	45,486	0	3,719
2003	5	4	1,151,133	48,650	0	7,218
2002	1	1	3,518,723	19,920	0	5,642
2001	2	1	3,519,764	51,490	0	4,172
2000	2**	2**	2,259,829	46,244	0	9,514
#4 LDPE						
2005	0	0	6,900,494	8,140	0	1,265
2004	0	0	5,862,416	2,951	0	473
2003	0	0	7,301,050	2,575	0	13,214
2002	0	0	13,679,022	2,417	0	10,423
2001	1	0	14,066,167	9,638	0	106,864
2000	0**	0**	893,623	228	0	47
#5 PP						
2005	1	1	3,074,850	22,976	0	942
2004	1	1	3,139,197	21,889	0	0
2003	1	1	1,790,682	12,098	0	6,925
2002	2	1	1,107,605	16,537	0	5,057
2001	8	7	514,294	34,721	0	6,094
2000	10**	10**	811,660	79,025	0	2,529

(Continued on next page)

Rates		Containers					3 of 4
	Redemption	Recycling	Sales	Recycled	Refillable	Postfilled	
#6 PS							
2005	1	1	32,641,452	205,317	0	19,544	
2004	0	0	52,667,652	82,155	0	22,238	
2003	0	0	74,408,481	32,680	0	50,193	
2002	0	0	73,390,428	26,699	0	9,144	
2001	0	0	49,856,952	39,758	0	13,855	
2000	0**	0**	26,362,287	66,534	0	3,281	
#7 OTHER							
2005	6	6	29,787,510	1,801,073	0	76,924	
2004	10	10	25,369,712	2,541,878	0	126,225	
2003	1	1	25,520,391	290,781	0	33,095	
2002	0	0	20,544,424	41,234	0	10,531	
2001	0	0	10,842,578	19,820	0	10,112	
2000	1**	1**	14,656,909	80,409	0	23,362	
BIMETAL							
2005	8	7	47,178,540	3,508,551	0	432,928	
2004	6	5	65,019,282	3,020,186	0	1,057,274	
2003	6	6	68,296,985	4,098,082	0	520,747	
2002	2	1	56,396,942	785,045	0	156,002	
2001	1	1	47,846,889	523,120	0	164,993	
2000	1**	1**	25,093,499	297,767	0	63,323	
1999	11	11	2,270,648	260,797	0	15,370	
1998	13	13	2,088,892	264,603	0	10,246	
1997	19	19	2,252,193	432,794	0	27,375	
1996	17	17	2,230,519	388,095	0	29,890	
1995	21	21	2,268,190	484,539	0	21,375	
1994	17	17	2,506,373	430,610	0	10,470	
1993	19	19	3,655,432	683,945	0	16,945	
1992	12	12	6,453,684	796,519	0	42,330	
1991	14	14	6,353,803	878,207	0	59,958	
1990	3	3	10,529,837	314,760	0	34,415	
1989	2	2	10,643,975	199,890	0	354,570	
1988	0	0	7,683,421	13,237	0	300	

(Continued on next page)

Rates		Containers				4 of 4
	Redemption	Recycling	Sales	Recycled	Refillable	Postfilled
ALL MATERIALS						
2005	62	61	20,485,271,759	12,417,324,219	2,130	895,371,171
2004	61	59	20,237,496,286	12,034,573,093	128,867	838,076,736
2003	56	55	19,242,495,939	10,533,460,820	364,085	842,851,246
2002	60	58	18,176,119,077	10,629,955,059	380,457	837,793,099
2001	62	60	17,513,174,192	10,518,747,707	378,452	887,174,501
2000	62**	61**	16,558,409,123	10,190,977,803	4,193,806	808,294,098
1999	76	74	13,169,728,648	9,742,102,332	56,547,053	761,054,109
1998	76	74	13,107,568,019	9,646,672,886	78,152,008	751,835,350
1997	78	76	12,889,096,434	9,666,106,446	90,836,718	759,117,911
1996	78	76	12,508,701,533	9,439,039,918	102,421,509	685,927,048
1995	83	81	12,237,873,040	9,786,426,401	111,828,496	769,229,625
1994	80	79	12,803,124,621	10,024,685,614	125,310,440	612,123,877
1993	82	81	12,579,084,739	10,083,591,274	147,140,942	642,306,615
1992	85	82	13,044,123,346	10,469,716,585	168,996,240	982,078,388
1991	82	80	13,110,373,852	10,339,154,185	198,954,148	699,826,773
1990	70	70	13,682,053,525	9,294,834,458	215,792,631	345,400,108
1989	56	56	12,935,531,202	6,923,416,826	304,045,641	267,162,865
1988	55	52	12,562,618,766	6,105,812,527	441,803,396	685,648,387

****Due to the addition of new beverages on January 1, 2000 from the passage of SB332, the calculation of the redemption and recycling rates for 2000 was based on the sales and return data reported from March - December 2000. This is to account for the two month sales lag. However, the totals for the sales, recycled, refillable and postfilled columns are for January - December 2000.**

***Beginning 2003, all recycling and redemption rates are presented as whole numbers.**